**Test Plan**

**Project Name: Green Code Project**

**Test Plan Title: Usability Test Plan Group 03**

**Document Version: 01**

**Date Created: 03.03.2025**

**Last Updated: 05.03.2025**

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| **Aspect** | **Description** |
| Application Name | Green Code Project Website |
| Testing Strategy | Manual testing of website, connection to database with manual testing. |
| Testing Techniques | Testing website functionality from a user perspective.  Some white-box testing may be performed for specific components.  Test resizing of each component, test links, test view on smartphone and pc. |
| Testing Levels | - Unit Test: Testing individual functions and methods of the website.  - Component Test: Testing individual components/divs of the website.  - Gorilla testing: Get an external source to test your website. (with or without a small payment). |
| Testing Approach for Non-functional Requirements | - Security: Will test GDPR laws regarding database and user security.  - Performance: Performance testing tools will be used to measure response times and system performance under different conditions.  - Usability: Real users will participate in usability tests.  - Compatibility: Testing on various devices and OS versions. |
| Test Success Criteria | - All test cases are successful in testing.  - Most if not all defects have been identified and resolved.  - The application meets performance and scalability benchmarks.  - Usability testing results indicate a positive user experience.  - Compatibility testing confirms functionality on target devices and OS versions.  - Security: Does not break any law. |
| Test Environment | - Devices: smartphones and PC  - OS Versions: Windows, Android and IOS  - Browsers: Latest versions of Chrome, Safari, Firefox  - Test Automation Tools: Selenium for web compatibility testing  Performance Testing Tools: JMeter or similar tools |